

This volume contains selected presentations from 18th European Symposium on Polymer Spectroscopy (ESOPS18) held in Zadar (Croatia) from September 19th to 22nd, 2010. The conference was attended by almost 100 people from all over the world, with a good balance between attendees from industry and academia. More than half of the participants were young scientists, mostly Ph.D. students. The contributions were presented either as invited, short oral or poster presentations. The meeting was organized by the Faculty of Chemical Engineering and Technology and Faculty of Electrical Engineering and Computing of the University of Zagreb and under auspices of Croatian Academy of Sciences and Arts, Ministry of Science, Education and Sports and Croatian Physical Society.

The ESOPS meetings are held every two to three years to review the latest research and development in the spectroscopic characterization and analysis of polymer systems. The scope of the meeting ranges from theoretical and fundamental aspects to recent advances and novel developments in experimental techniques. The reports on new scientific results obtained by different methods, like infrared and Raman spectroscopy and imaging, NMR and ESR spectroscopy, dielectric and mechanical

measurements, were presented in 10 invited lectures, 30 short oral lectures and displayed on 43 posters.

During the conference the workshop on FTIR Chemical Imaging and Confocal Raman Spectroscopy was organized. All the attendees had the opportunity to operate the instruments and measure their own samples. Five companies took part in the exhibition, presenting their new instrumentation. Within the social program, the participants enjoyed local dishes and meals and visited the ancient town of Zadar.

The International Advisory Board awarded Patrice Bourson (LMOPS University Paul Verlaine, Metz) for the most interesting poster presentation dealing with the nondestructive in situ characterization of polymeric samples.

The organizers are grateful to all those who have provided financial support, sponsorship and services, whose generous contribution has helped to make this conference successful. We thank the members of the Advisory Board for suggesting names of invited speakers and giving much useful advice. The editors would like to thank all the authors and reviewers, as well as the staff of Macromolecular Symposia, who have contributed to this proceedings volume.

*Vesna Volovšek, Lahorija Bistričić*



Participants of the conference